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ARRANGEMENT IN A CHANNEL ADAPTER FOR
SERVICING WORK NOTIFICATIONS BASED ON LINK
LAYER VIRTUAL LANE PROCESSING

ABSTRACT OF THE DISCLOSURE

A host channel adapter is configured for servicing received work notifications based on identifying the work notifications associated with the virtual lanes (VL) having a prescribed ordering position identified by the link layer operations. The host channel adapter, in response to receiving a work notification for a prescribed service level (SL), determines the virtual lane associated with the specified

5   service level based on a prescribed service level to virtual lane mapping. If necessary (e.g., for an unreliable datagram service type), the work notification supplies the prescribed service level (SL) for the host channel adapter. The host channel adapter also determines an ordering position for the determined virtual lane from the link layer module, and selectively services the work notification based on the corresponding ordering position.

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